

STATEMENT OF BASIS

as required by LAC 33:IX.3109, for draft Louisiana Pollutant Discharge Elimination System Permit No. LA0039012; AI 42979; PER20050001 to discharge to waters of the State of Louisiana as per LAC 33:IX.2311.

The permitting authority for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

- I. **THE APPLICANT IS:** Rapides Parish Sewer District
Grundy Cooper Subdivision
Post Office Box 5802
Alexandria, LA 71301

- II. **PREPARED BY:** Todd Franklin

- DATE PREPARED:** May 15, 2006

- III. **PERMIT ACTION:** reissue LPDES permit LA0039012, AI 42979; PER20050001

LPDES application received: June 2, 2005

EPA has not retained enforcement authority.

LPDES permit effective: January 1, 2001
LPDES permit expired: December 31, 2005

IV. **FACILITY INFORMATION:**

- A. The application is for the discharge of treated sanitary wastewater from a publicly owned treatment works serving the Grundy Cooper Subdivision and a convenience store.

- B. The permit application does not indicate the receipt of industrial wastewater.

- C. The facility is located off Highway 28 West, behind the Rapides Parish Coliseum in Alexandria, Rapides Parish.

- D. two mechanical treatment plants with two separate outfalls.

- E. Outfall 001

Discharge Location: Latitude 31° 17' 52" North
 Longitude 92° 30' 15" West

Description: treated sanitary wastewater

Design Capacity: 0.035 MGD

Type of Flow Measurement which the facility is currently using:

Continuous Recorder

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Outfall 002

Discharge Location: - Latitude 31° 17' 52" North
Longitude 92° 30' 15" West

Description: treated sanitary wastewater

Design Capacity: 0.1 MGD

Type of Flow Measurement which the facility is currently using:

Continuous Recorder

V.

RECEIVING WATERS:

The discharges are into a parish drainage ditch; thence into the Bayou Boeuf-Cocodrie Diversion Canal in segment 060208 of the Vermilion-Teche River Basin. This segment is not listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 060208 of the Vermilion-Teche River Basin are as indicated in the table below^{1/}:

| Overall Degree of Support for Segment | Degree of Support of Each Use | | | | | | |
|---------------------------------------|-------------------------------|------------------------------|--------------------------------|------------------------------------|-----------------------|------------------------|-------------|
| | Primary Contact Recreation | Secondary Contact Recreation | Propagation of Fish & Wildlife | Outstanding Natural Resource Water | Drinking Water Supply | Shell fish Propagation | Agriculture |
| Partial | Not Supported | Full | Not Supported | N/A | N/A | N/A | N/A |

^{1/}The designated uses and degree of support for Segment 060208 of the Vermilion-Teche River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2004 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

VI.

ENDANGERED SPECIES:

The receiving waterbody, Subsegment 060208 of the Vermilion-Teche River Basin, has been identified by the U.S. Fish and Wildlife Service (FWLS) as habitat for the Louisiana pearlshell, which is listed federally as a threatened species. However, this type of discharge is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

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VII. HISTORIC SITES:

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

VIII. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mr. Todd Franklin
Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

IX. PROPOSED PERMIT LIMITS:

Subsegment 060208, Bayou Boeuf-Headwaters to Bayou Courtableau, is not listed on LDEQ's Final 2004 303(d) list as impaired. However, subsegment 060208 was previously listed as impaired for organic enrichment / low DO, pathogen indicators, TDS, suspended solids/turbidity/siltation, nutrients, and phosphorus, for which the below TMDLs have been developed. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional TMDLs and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDLs for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

The following TMDLs have been established for subsegment 060208:

Bayou Boeuf TMDL for Dissolved Oxygen and Nutrients Including Point Source Wasteload Allocations and Watershed Nonpoint Source Load Allocations

Of the 43 known dischargers in subsegment 060208, only 14 point sources were considered large enough or close enough to Bayou Boeuf to have a significant impact on the TMDL model. Wasteload allocations, based on expected flow or design capacity, were calculated for these 14 dischargers. A

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wasteload allocation was calculated for the Grundy Cooper Subdivision. The TMDL proposed the following limitations for this facility to address DO and nutrients: 10 mg/l CBOD₅ / 2 mg/l NH₃-N monthly average during the months of June through August and 5 mg/l CBOD₅ / 2 mg/l NH₃-N monthly average during the months of September through May.

Bayou Boeuf TMDL for Total Dissolved Solids (TDS)

As per the TMDL, "The Louisiana Water Quality Regulations require permitted point source discharges of treated sanitary wastewater to maintain in-stream TDS water quality standards of 100 mg/l on this subsegment. Therefore, there will be a need to include TDS limits in the permit requirements based upon a wasteload allocation resulting from this TMDL." Therefore, the following TDS limits shall be placed into the permit: 29.2 lbs/day monthly average for Outfall 001 and 83.4 lbs/day monthly average for Outfall 002.

Bayou Boeuf TMDL for Fecal Coliform

As per this TMDL,

The Louisiana Water Quality Regulations require permitted point source discharges of treated sanitary wastewater to maintain a fecal coliform count of 200 cfu/100 ml in their effluent, i.e., they must meet the standard at end-of-pipe. Therefore, there will be no change in the permit requirements based upon a wasteload allocation resulting from this TMDL.

Total Maximum Daily Load for TSS, Turbidity, and Siltation for the Bayou Teche Watershed

As per this TMDL,

Point sources do not represent a significant source of TSS as defined in this TMDL. Point sources discharge primarily organic TSS, which does not contribute to habitat impairment resulting from sedimentation. Because the point sources are minor contributors and discharges of organic suspended solids from point sources are already addressed by LDEQ through their permitting of point sources to maintain water quality standards for DO, the wasteload allocations for point source contributions were set to zero. This TMDL only addresses the landform contribution of TSS/sediment and does not address the insignificant point source contributions.

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Interim Effluent Limits:**Outfall 001 – Design Capacity is 0.035 MGD**

Interim limits shall become effective on the effective date of the permit and expire on April 25, 2009.

| Effluent Characteristic | Monthly Avg. (lbs./day) | Monthly Avg. | Weekly Avg. | Basis |
|---------------------------------------|----------------------------|--------------|-------------|---|
| CBOD ₅ | | | | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Dissolved Oxygen and Nutrients Including Point Source Wasteload Allocations and Watershed Nonpoint Source Load Allocations.</i> |
| June – August | 3 | 10 mg/l | 15 mg/l | |
| September - May | 2 | 5 mg/l | 7.5 mg/l | |
| TSS | 4 | 15 mg/l | 23 mg/l | Limits are set through Best Professional Judgement (BPJ) in a manner consistent with technology based limits. |
| Ammonia-Nitrogen (NH ₃ -N) | 0.6 | 2 mg/l | 4 mg/l | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Dissolved Oxygen and Nutrients Including Point Source Wasteload Allocations and Watershed Nonpoint Source Load Allocations.</i> |
| Total Dissolved Solids (TDS) | Report | N/A | N/A | Because a TDS limitation is required in the final permit limitations, "Report" of TDS is proposed during the Interim period for information gathering purposes. |

Other Effluent Limitations:**1) Fecal Coliform**

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

2) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.).

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3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

Outfall 002 – Design Capacity is 0.1 MGD

Interim limits shall become effective on the effective date of the permit and expire on April 25, 2009.

| Effluent Characteristic | Monthly Avg. (lbs./day) | Monthly Avg. | Weekly Avg. | Basis |
|---------------------------------------|----------------------------|--------------|-------------|---|
| CBOD ₅ | | | | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Dissolved Oxygen and Nutrients Including Point Source Wasteload Allocations and Watershed Nonpoint Source Load Allocations.</i> |
| June – August | 8 | 10 mg/l | 15 mg/l | |
| September - May | 4 | 5 mg/l | 7.5 mg/l | |
| TSS | 13 | 15 mg/l | 23 mg/l | Limits are set through Best Professional Judgement (BPJ) in a manner consistent with technology based limits. |
| Ammonia-Nitrogen (NH ₃ -N) | 2 | 2 mg/l | 4 mg/l | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Dissolved Oxygen and Nutrients Including Point Source Wasteload Allocations and Watershed Nonpoint Source Load Allocations.</i> |
| Total Dissolved Solids (TDS) | Report | N/A | N/A | Because a TDS limitation is required in the final permit limitations, "Report" of TDS is proposed during the Interim period for information gathering purposes. |

Other Effluent Limitations:

1) Fecal Coliform

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

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2) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.).

3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

Final Effluent Limits:

OUTFALL 001 – Design Capacity is 0.035 MGD

Final limits shall become effective on April 25, 2009, and expire on the expiration date of the permit.

| Effluent Characteristic | Monthly Avg. (lbs./day) | Monthly Avg. | Weekly Avg. | Basis |
|---------------------------------------|----------------------------|--------------|-------------|---|
| CBOD ₅ | | | | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Dissolved Oxygen and Nutrients Including Point Source Wasteload Allocations and Watershed Nonpoint Source Load Allocations.</i> |
| June – August | 3 | 10 mg/l | 15 mg/l | |
| September - May | 2 | 5 mg/l | 7.5 mg/l | |
| TSS | 4 | 15 mg/l | 23 mg/l | Limits are set through Best Professional Judgement (BPJ) in a manner consistent with technology based limits. |
| Ammonia-Nitrogen (NH ₃ -N) | 0.6 | 2 mg/l | 4 mg/l | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Dissolved Oxygen and Nutrients Including Point Source Wasteload Allocations and Watershed Nonpoint Source Load Allocations.</i> |
| Total Dissolved Solids (TDS) | 29 | N/A | N/A | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Total Dissolved Solids (TDS).</i> |

Other Effluent Limitations:

1) Fecal Coliform

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present

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available technology.

2) pH

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C., the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

Outfall 002 – Design Capacity is 0.1 MGD

Final limits shall become effective on April 25, 2009, and expire on the expiration date of the permit.

| Effluent Characteristic | Monthly Avg. (lbs./day) | Monthly Avg. | Weekly Avg. | Basis |
|---------------------------------------|----------------------------|--------------|-------------|---|
| CBOD ₅ | | | | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Dissolved Oxygen and Nutrients Including Point Source Wasteload Allocations and Watershed Nonpoint Source Load Allocations.</i> |
| June – August | 8 | 10 mg/l | 15 mg/l | |
| September - May | 4 | 5 mg/l | 7.5 mg/l | |
| TSS | 13 | 15 mg/l | 23 mg/l | Limits are set through Best Professional Judgement (BPJ) in a manner consistent with technology based limits. |
| Ammonia-Nitrogen (NH ₃ -N) | 2 | 2 mg/l | 4 mg/l | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Dissolved Oxygen and Nutrients Including Point Source Wasteload Allocations and Watershed Nonpoint Source Load Allocations.</i> |
| Total Dissolved Solids (TDS) | 83 | N/A | N/A | Limits are set in accordance with the <i>Bayou Boeuf TMDL for Total Dissolved Solids (TDS).</i> |

Other Effluent Limitations:

1) Fecal Coliform

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing

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facilities have demonstrated an ability to comply with these limitations using present available technology.

2) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.).

3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

X.

PREVIOUS PERMITS:

LPDES Permit No. LA0039012: Issued: January 1, 2001

Expired: December 31, 2005

Outfall 001

| <u>Effluent Characteristic</u> | <u>Discharge Limitations</u> | | <u>Monitoring Requirements</u> | |
|--------------------------------|------------------------------|-------------------|--------------------------------|--------------------|
| | <u>Daily Avg.</u> | <u>Daily Max.</u> | <u>Measurement Frequency</u> | <u>Sample Type</u> |
| Flow | Report | Report | 1/week | Measure |
| CBOD ₅ | | | | |
| April - October | 10 mg/l | 15 mg/l | 1/month | Grab |
| November – March | 20 mg/l | 30 mg/l | 1/month | Grab |
| TSS | | | | |
| April - October | 15 mg/l | 23 mg/l | 1/month | Grab |
| November – March | 20 mg/l | 30 mg/l | 1/month | Grab |
| Ammonia-Nitrogen | | | | |
| April – October | 2 mg/l | 4 mg/l | 1/month | Grab |
| November – March | 10 mg/l | 20 mg/l | 1/month | Grab |
| Dissolved Oxygen | 5 mg/l | --- | 1/month | Grab |
| Fecal Coliform | | | | |
| Colonies/100 ml | 200 | 400 | 1/month | Grab |
| pH | Range (6.0 su – 9.0 su) | | 1/month | Grab |

Outfall 002

| <u>Effluent Characteristic</u> | <u>Discharge Limitations</u> | | <u>Monitoring Requirements</u> | |
|--------------------------------|------------------------------|-------------------|--------------------------------|--------------------|
| | <u>Daily Avg.</u> | <u>Daily Max.</u> | <u>Measurement Frequency</u> | <u>Sample Type</u> |
| Flow | Report | Report | Continuous | Recorder |
| CBOD ₅ | | | | |
| April - October | 10 mg/l | 15 mg/l | 2/month | Grab |
| November – March | 20 mg/l | 30 mg/l | 2/month | Grab |
| TSS | | | | |
| April - October | 15 mg/l | 23 mg/l | 2/month | Grab |
| November – March | 20 mg/l | 30 mg/l | 2/month | Grab |
| Ammonia-Nitrogen | | | | |
| April – October | 2 mg/l | 4 mg/l | 2/month | Grab |
| November – March | 10 mg/l | 20 mg/l | 2/month | Grab |

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| | | | | |
|------------------|-------------------------|-----|---------|------|
| Dissolved Oxygen | 5 mg/l | --- | 2/month | Grab |
| Fecal Coliform | | | | |
| Colonies/100 ml | 200 | 400 | 2/month | Grab |
| pH | Range (6.0 su – 9.0 su) | | 2/month | Grab |

XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:
A) Inspections

A review of the files indicates that no recent inspections have been performed for this facility.

B) Compliance and/or Administrative Orders

A review of the files indicates that no recent enforcement action has been administered against this facility.

C) DMR Review

A review of the discharge monitoring reports for the period beginning December 2003 through November 2005 has revealed the following violations:

| Parameter | Outfall | Period of Excursion | Permit Limit | Reported Quantity |
|----------------------------------|---------|---------------------|--------------|-------------------|
| NH ₃ -N, Monthly Avg. | 002 | December 2003 | 8 lbs/day | DID NOT REPORT |
| CBOD ₅ , Monthly Avg. | 002 | January 2004 | 17 lbs/day | DID NOT REPORT |
| TSS, Monthly Avg. | 002 | January 2004 | 17 lbs/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 002 | January 2004 | 8 lb/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 002 | March 2004 | 8 lb/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 002 | November 2004 | 8 lb/day | DID NOT REPORT |
| CBOD ₅ , Monthly Avg. | 002 | December 2004 | 17 lbs/day | DID NOT REPORT |
| TSS, Monthly Avg. | 002 | December 2004 | 17 lbs/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 002 | December 2004 | 8 lb/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 002 | January 2005 | 8 lb/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 002 | February 2005 | 8 lb/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 002 | March 2005 | 8 lb/day | DID NOT REPORT |
| CBOD ₅ , Monthly Avg. | 001 | May 2005 | 3 lbs/day | DID NOT REPORT |
| TSS, Monthly Avg. | 001 | May 2005 | 4 lbs/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 001 | May 2005 | 0.6 lb/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 002 | May 2005 | 2 lbs/day | DID NOT REPORT |
| CBOD ₅ , Monthly Avg. | 001 | August 2005 | 3 lbs/day | DID NOT REPORT |
| TSS, Monthly Avg. | 001 | August 2005 | 4 lbs/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 001 | August 2005 | 0.6 lb/day | DID NOT REPORT |
| NH ₃ -N, Monthly Avg. | 002 | November 2005 | 8 lb/day | DID NOT REPORT |

Please note that the following DMRs were missing from the file:

Outfall 001 – February 2004, April 2004, May 2004, September 2004, April 2005, June 2005, and September 2005.

Outfall 002 – February 2004, April, 2004, May 2004, April 2005, June 2005, and September 2005

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XII.**ADDITIONAL INFORMATION:**

The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional water quality studies and/or TMDLs. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDLs for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as requested by the permittee and/or as necessary to achieve compliance with water quality standards. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

Final effluent loadings (i.e. lbs/day) have been established based upon the permit limit concentrations and the design capacity of 0.035 MGD for Outfall 001 and 0.1 MGD for Outfall 002.

Effluent loadings are calculated using the following example:

$$\text{CBOD}_5: 8.34 \text{ lb/gal} \times 0.1 \text{ MGD} \times 10 \text{ mg/l} = 8 \text{ lb/day}$$

Outfall 001: At present, the Monitoring Requirements, Sample Types, and Frequency of Sampling as shown in the permit are standard for facilities of flows between 0.02 and 0.10 MGD.

| <u>Effluent Characteristics</u> | <u>Monitoring Requirements</u> | |
|---------------------------------|--------------------------------|--------------------|
| | <u>Measurement Frequency</u> | <u>Sample Type</u> |
| Flow | Measure | 1/week |
| CBOD ₅ | 1/month | Grab |
| Total Suspended Solids | 1/month | Grab |
| NH ₃ -N | 1/month | Grab |
| TDS | 1/month | Grab |
| Fecal Coliform Bacteria | 1/month | Grab |
| pH | 1/month | Grab |

Outfall 002: At present, the Monitoring Requirements, Sample Types, and Frequency of Sampling as shown in the permit are standard for facilities of flows between 0.10 and 0.50 MGD.

| <u>Effluent Characteristics</u> | <u>Monitoring Requirements</u> | |
|---------------------------------|--------------------------------|--------------------|
| | <u>Measurement Frequency</u> | <u>Sample Type</u> |
| Flow | Continuous | Recorder |
| CBOD ₅ | 2/month | Grab |
| Total Suspended Solids | 2/month | Grab |
| NH ₃ -N | 2/month | Grab |
| TDS | 2/month | Grab |
| Fecal Coliform Bacteria | 2/month | Grab |
| pH | 2/month | Grab |

In order to allow the permittee time to upgrade the facility to meet limitations imposed by a TMDL, **INTERIM LIMITS** are proposed for this facility.

The permittee shall achieve compliance with the **FINAL EFFLUENT LIMITATIONS** and **MONITORING REQUIREMENTS** as specified in accordance with the following schedule:

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| ACTIVITY | DATE |
|--|-------------------------------------|
| Achieve Interim Effluent Limitations and Monitoring Requirements | On the effective date of the permit |
| Achieve Final Effluent Limitations and Monitoring Requirements | On or before April 25, 2009 |

The above listed activities must be achieved on or before the deadline date. Additionally, the permittee shall submit a progress report outlining the status of all facility improvements on a yearly basis until compliance is achieved.

Within 14 days of completion of the new facility or facility upgrade and/or expansion, the Permittee shall notify the Department of Environmental Quality-Office of Environmental Services in writing that construction has been completed.

The Permittee shall achieve sustained compliance with Final Effluent Limitations.

Where the percent project completion reported is less than would be required to assure completion of necessary upgrades by the required date, the report of progress shall also include and explanation for this delay and proposed remedial actions.

No later than 14 days following a date for a specific action (as opposed to a report of progress), the permittee shall submit a written notice of compliance or noncompliance.

If the Rapides Parish Sewer District is unable to comply with the above issued Schedule of Compliance, the company shall submit an alternative compliance schedule, for consideration by this Office, within the Draft permit public notice period.

Pretreatment Requirements

Based upon consultation with LDEQ pretreatment personnel, general pretreatment language will be used due to the lack of either an approved or required pretreatment program.

Pollution Prevention Requirements

The permittee shall institute or continue programs directed towards pollution prevention. The permittee shall institute or continue programs to improve the operating efficiency and extend the useful life of the facility. The permittee will complete an annual Environmental Audit Report **each year** for the life of this permit according to the schedule below. The permittee will accomplish this requirement by completing an Environmental Audit Form which has been attached to the permit. All other requirements of the Municipal Wastewater Pollution Prevention Program are contained in Part II of the permit.

The audit evaluation period is as follows:

| Audit Period Begins | Audit Period Ends | Audit Report Completion Date |
|--------------------------|--|--|
| Effective Date of Permit | 12 Months from Audit Period Beginning Date | 3 Months from Audit Period Ending Date |

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XIII TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in this Statement of Basis.

XIV REFERENCES:

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2004.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, Rapides Parish Sewer District, Grundy Cooper Subdivision, June 2, 2005.